

CHAPTER 2

Nurseries and other producers located inside a regulated county but outside of the Light Brown Apple Moth (LBAM) State Interior Quarantine or more than 1.5 miles from a LBAM detection

*The procedures outlined in this chapter apply to **production nurseries, retail nurseries and producers** of cut flowers, garlands, wreaths or greenery, and cut Christmas trees located in a regulated county but outside the State Interior Quarantine (CCR 3434) or more than 1.5 miles from a LBAM detection.*



SECTION 1: TRAPPING AND INSPECTION

A Interstate Shipping Nurseries and Growing Locations (Production and Retail)

- (i) Place LBAM traps at the rate of one per five acres or at least one trap if nursery is less than five acres
- (ii) Service traps biweekly
- (iii) One-time visual inspection for all LBAM life stages on all nursery stock to determine freedom from LBAM

B Non-Shipping Production and Retail Nurseries

- (i) No requirements

SECTION 2: PROCEDURES FOR SUSPECT LBAM COLLECTIONS

Use the following procedures when suspect LBAM specimens are collected at a nursery or growing location.

- (i) If suspect adult (male/female, trapped or otherwise caught) is collected, **no action is required** until moth is identified by CDFA PPDB lab
- (ii) If suspect larva, pupa or egg mass is collected, **infested plants or lots** must be placed on hold
- (iii) No holding action is required for non-infested plants until genetic or morphological evaluation of the specimen is completed by the CDFA PPDB lab

SECTION 3: PROCEDURES FOR “CONFIRMED” LBAM COLLECTIONS

Use the following procedures when LBAM has been confirmed from nursery or growing location located inside a regulated county but outside the State Interior Quarantine.

Infested nurseries or growing locations in a non-LBAM regulated county should consult the LBAM Project prior to taking regulatory action.

- (i) If adult LBAM (male or female) is confirmed by the CDFA PPDB lab, the nursery with the detection **and** all nurseries within 1.5 miles must follow procedures outlined in **Chapter 1, Section 3** of this manual
- (ii) If larva, pupa, or egg mass, or “possible LBAM” larva pupa or egg mass is confirmed through **genetic analysis** by the CDFA PPDB lab, the nursery with the detection **and** all nurseries within 1.5 miles must follow procedures outlined in **Chapter 1, Section 3** of this manual
- (iii) If genetic analysis is complete and the CDFA PPDB lab indicates that the ***DNA did not amplify***, **all plants** at the nursery must be treated as outlined in Chapter 1, Section 3. *However, the State Interior Quarantine will not be expanded to include this nursery or other nurseries within 1.5 miles*

- (iv) If larva, pupa, or egg mass, or “possible LBAM” larva pupa or egg mass is confirmed through **morphological analysis**, **all plants** at the nursery must be treated as outlined in Chapter 1, Section 3.
However, the State Interior Quarantine will not be expanded to include this nursery or other nurseries within 1.5 miles
- (v) If LBAM infestation can be delimited within the nursery, or is limited to only plants in an incoming shipment, inspectors may offer the following options to the nursery:
 - (a) Treat all LBAM-positive plant(s) or lot(s) with product efficacious against LBAM eggs (Chapter 1, Section 3 (ii)). Treated plants must be 100% re-inspected prior to release
 - (b) All other plants may be treated **OR** held on the nursery premises for the duration of one complete LBAM life cycle, during which time LBAM detection trapping at the nursery must continue with negative results

SECTION 4: CERTIFICATION AND COMPLIANCE AGREEMENTS

Use the following procedures to issue a compliance agreement for any nursery (production and retail) or growing location shipping interstate from a regulated area.

***Note:** Intrastate shipments from a regulated county (outside the State Interior Quarantine) do not require certification.*

- (i) Quarantine certification must accompany all interstate shipments of nursery stock, cut flowers, garlands, wreaths or greenery, and cut Christmas trees
- (ii) In lieu of an original certificate, shipping nurseries and growing locations may be issued a compliance agreement by the county agricultural commissioner or the LBAM Project (**Exhibit F**) ([CDFA PHPPS extranet site](#))
- (iii) For intrastate shipments, no quarantine certification is required. However, shippers may voluntarily enter the interstate shipping compliance agreement with the county agricultural commissioner or the LBAM Project and may be authorized to use a master quarantine certificate or federal shield